

PATENT COOPERATION TREATY

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference 10009143WO01	FOR FURTHER ACTION see Form PCT/ISA/220 as well as, where applicable, item 5 below.	
International application No. PCT/JP2005/010906	International filing date (day/month/year) 08/06/2005	(Earliest) Priority Date (day/month/year) 08/06/2004
Applicant CANON KABUSHIKI KAISHA		

This International Search Report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This International Search Report consists of a total of 5 sheets.

☒ It is also accompanied by a copy of each prior art document cited in this report.

1. Basis of the report

a. With regard to the **language**, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.

☐ The international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).

b. ☐ With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application, see Box No. I.

2. ☐ **Certain claims were found unsearchable** (See Box II).

3. ☐ **Unity of invention is lacking** (see Box III).

4. With regard to the title,

☐ the text is approved as submitted by the applicant.

☒ the text has been established by this Authority to read as follows:

ELECTROPHORETIC DISPLAY APPARATUS COMPRISING CHARGED PARTICLES, A DISPERSION MEDIUM, AND AN INNER SURFACE WITH MATCHED WETTABILITIES WITH RESPECT TO WATER

5. With regard to the abstract,

☐ the text is approved as submitted by the applicant.

☒ the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box No. IV. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

6. With regard to the drawings,

a. the figure of the **drawings** to be published with the abstract is Figure No. 1

☒ as suggested by the applicant.

☐ as selected by this Authority, because the applicant failed to suggest a figure.

☐ as selected by this Authority, because this figure better characterizes the invention.

b. ☐ none of the figures is to be published with the abstract.

INTERNATIONAL SEARCH REPORT

International application No.

PCT/JP2005/010906

Box No. IV Text of the abstract (Continuation of item 5 of the first sheet)

In an electrophoretic display apparatus, the surface of the charged particles (3), the dispersion medium (4), and a surface of an inner wall (11a,b), on which charged particles are to be deposited, satisfy any one of the following (A) to (D): (A) the charged particle surface is hydrophilic, the dispersion medium is hydrophobic or is hydrophobic and lipophobic; and the inner wall surface is hydrophilic; (B) the charged particle surface is hydrophobic, the dispersion medium is hydrophilic or is hydrophobic and lipophobic, and the inner wall surface is hydrophobic; (C) the charged particle surface is hydrophobic and lipophobic, the dispersion medium is hydrophobic or hydrophilic, and the inner wall surface is hydrophobic with the proviso that when the dispersion medium is hydrophobic, a difference in hydrophobicity between the inner wall surface and the charged particle surfaces and (D) the charged particle surface is hydrophobic, the dispersion medium is hydrophobic or hydrophilic, and the inner wall surface is hydrophobic and lipophobic.

INTERNATIONAL SEARCH REPORT

International Application No

PCT/JP2005/010906

A. CLASSIFICATION OF SUBJECT MATTER
 IPC 7 G02F1/167

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 G02F

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	PATENT ABSTRACTS OF JAPAN vol. 2003, no. 12, 5 December 2003 (2003-12-05) -& JP 2004 139025 A (SEIKO EPSON CORP), 13 May 2004 (2004-05-13) page 16, line 1 - line 36; figure 9 page 18, line 31 - page 19, line 18; figure 12	1-3,5-7
P,A	& US 2005/094247 A1 (KANBE SADA O) 5 May 2005 (2005-05-05) paragraph '0125! - paragraph '0130!; figure 9 paragraph '0146! - paragraph '0151!; figure 12 ----- -/--	1-3,5-7



Further documents are listed in the continuation of box C.



Patent family members are listed in annex.

* Special categories of cited documents:

A document defining the general state of the art which is not considered to be of particular relevance

E earlier document but published on or after the international filing date

L document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

O document referring to an oral disclosure, use, exhibition or other means

P document published prior to the international filing date but later than the priority date claimed

T later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

X document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

Y document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

G document member of the same patent family

Date of the actual completion of the international search

16 August 2005

Date of mailing of the international search report

08/09/2005

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INTERNATIONAL SEARCH REPORT

International Application No

PCT/JP2005/010906

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	PATENT ABSTRACTS OF JAPAN vol. 2000, no. 19, 5 June 2001 (2001-06-05) -& JP 2001 033831 A (RICOH CO LTD), 9 February 2001 (2001-02-09) abstract; figure 1 -----	1,4,6
A	US 2003/086149 A1 (KAWAI HIDEYUKI) 8 May 2003 (2003-05-08) paragraph '0021! paragraph '0039! - paragraph '0053!; figure 1 -----	1

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/JP2005/010906

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
JP 2004139025 A	13-05-2004	CN 1485669 A US 2005094247 A1	31-03-2004 05-05-2005
US 2005094247 A1	05-05-2005	JP 2004139025 A CN 1485669 A	13-05-2004 31-03-2004
JP 2001033831 A	09-02-2001	NONE	
US 2003086149 A1	08-05-2003	JP 2003140202 A	14-05-2003